

WHAT IS CLAIMED IS:

1. An organic nitrogen-containing composition comprising fermentation mother liquor obtained by culturing a microorganism having L-glutamic acid-producing ability in a liquid medium of which pH is adjusted to a condition under which L-glutamic acid is allowed to be precipitated, to allow L-glutamic acid to be produced and accumulated with precipitation of L-glutamic acid accompanied, and then separating L-glutamic acid from the medium.
- 5 2. The organic nitrogen-containing composition according to Claim 1, wherein the microorganism belongs to the genus *Enterobacter*.
- 10 3. The organic nitrogen-containing composition according to Claim 2, wherein the microorganism is *Enterobacter agglomerans*.
- 15 4. The organic nitrogen-containing composition according to any one of Claims 1 to 3, wherein the microorganism can metabolize a carbon source in a liquid medium containing L-glutamic acid at a saturation concentration and the carbon source, at a specific pH, and has an ability to accumulate L-glutamic acid in an amount exceeding the saturation concentration of L-glutamic acid in the liquid medium at the pH.
- 20 25 5. The organic nitrogen-containing composition according to Claim 4, wherein the specific pH is 5.0 or less.
6. The organic nitrogen-containing composition

according to Claim 4 or 5, wherein a pH suitable for L-glutamic acid production by the microorganism is a pH at which L-glutamic acid precipitates in the medium, and L-glutamic acid is produced and accumulated with 5 precipitation of the L-glutamic acid accompanied, during the culture in the medium at the pH.

7. A fertilizer comprising the organic nitrogen-containing composition as defined in any one of Claims 1 to 6.